

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 04/14/2022 09:40 AM
Cytometer Baseline: 01/20/2022 09:34 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 32272 **Expiration Date:** 09/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124407	-1	1.03	124346	1.01
Blue	F	SSC	125000	122527	-2	2.17	122993	2.06
Blue	E	FITC	13602	13153	-4	2.13	367	13.37
Blue	D	PE	24891	24371	-3	1.51	579	10.33
Blue	B	PerCP-Cy5-5	33972	33147	-3	2.74	946	14.69
Blue	A	PE-Cy7	22865	22794	-1	4.82	476	30.10
Red	C	APC	47198	46427	-2	2.60	1603	11.40
Red	A	APC-Cy7	26454	25775	-3	3.05	731	12.38
Violet	B	V450	6737	6434	-5	3.61	447	11.67
Violet	A	V500	29317	27837	-6	3.28	948	8.51

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24082	2.17	558	23	N/A	N/A	Pass
Blue	F	SSC	55208	1.75	516	-5	N/A	N/A	Pass
Blue	E	FITC	56	53.22	484	0	0.0440	98	Pass
Blue	D	PE	112	38.02	487	1	0.4013	276	Pass
Blue	B	PerCP-Cy5-5	150	41.34	580	1	0.0205	90	Pass
Blue	A	PE-Cy7	79	80.87	624	3	0.0232	9	Pass
Red	C	APC	338	26.23	574	2	0.0291	250	Pass
Red	A	APC-Cy7	136	34.42	552	1	0.0062	1151	Pass
Violet	B	V450	77	47.97	443	-7	0.0553	2403	Pass
Violet	A	V500	112	35.94	462	-7	0.0272	1910	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.63	-31.41	1.13
Blue	20.35	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.44
Red	15.11	13.90 - 20.86	N/A	N/A	29.79	30.03	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 9543

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments